

IN THE CLAIMS:

Claims 1-9 (canceled).

Claim 10 (new). A prosthesis set for a person with an amputated limb, said prosthesis set comprising:

(a) an anchoring part that is disposable in a marrow bone of the amputated limb near a stump of the limb, the anchoring part comprising a bolt-like shape with a stem and a head at one end of the stem, the stem being insertable in the marrow bone with the head disposed at an end of the marrow bone, said head having a shape such that disposition of the anchoring part in the marrow bone of the amputated limb causes a local expansion or bulge in the stump; and

(b) a prosthesis sleeve for affixing to the amputated limb, said prosthesis sleeve comprising anchoring means, comprising a bulge corresponding to the local expansion or bulge of the limb, for receiving the local expansion or bulge of the limb and establishing a local form fitting anchorage for the prosthesis sleeve.

Claim 11 (new). The prosthesis set according to claim 10, wherein the stem comprises an expansion adjacent the head.

Claim 12 (new). The prosthesis set according to claim 10, wherein the stem comprises at least one longitudinal groove.

Claim 13 (new). The prosthesis set according to claim 10, wherein the head is plate shaped.

Claim 14 (new). The prosthesis set according to claim 13, wherein the plate shaped head is slightly curved.

Claim 15 (new). The prosthesis set according to claim 10, wherein the head is T-shaped.

Claim 16 (new). The prosthesis set according to claim 15, wherein the T-shaped head is slightly curved.

Claim 17 (new). The prosthesis set according to claim 10, wherein the stem and head of the anchoring comprise titanium.

Claim 18 (new). The prosthesis set according to claim 10, wherein the stem and head of the anchoring part comprise surgical steel.

Claim 19 (new). The prosthesis set according to claim 10, wherein the prosthesis sleeve comprises fastening means for fastening the prosthesis sleeve to the amputated limb.

Claim 20 (new). The prosthesis set according to claim 19, wherein the fastening means comprises strap means for adjustable affixation of the prostheses sleeve around a circumference of the amputated limb.

Claim 21 (new). A method for anchoring a prosthesis to a person with an amputated limb, said method comprising the steps of:

- (i) providing the prosthesis set according to claim 10;
- (ii) inserting the stem of the anchoring part into a marrow bone of the amputated limb near a stump of the limb with the head of the anchoring part disposed at an end of the marrow bone, said head having a width that exceeds the width of the marrow bone in an amount such that disposition of the anchoring part in the marrow bone of the amputated limb results in a local expansion or bulge at a distal end of the stump that is wider than an adjacent proximal part of the amputated limb; and
- (iii) affixing the prosthesis sleeve to the amputated limb with the local expansion or bulge in the stump received in the bulge of the prosthesis sleeve to anchor the prosthesis sleeve to the amputated limb.

Claim 22 (new). A method for anchoring a prosthesis to a person with an amputated limb, said method comprising the steps of:

- (i) providing the prosthesis set according to claim 15;
- (ii) inserting the stem of the anchoring part into a marrow bone of the amputated limb near a stump of the limb with the head of the anchoring part disposed at an end of the marrow bone, said head having a width that exceeds the width of the marrow bone in an amount such that disposition of the anchoring part in the marrow bone of the amputated limb causes a local expansion or bulge at a distal end of the stump that is wider than an adjacent proximal part of the amputated limb; and

(iii) affixing the prosthesis sleeve to the amputated limb with the local expansion or bulge in the stump received in the bulge of the prosthesis sleeve to anchor the prosthesis sleeve to the amputated limb.

Claim 23 (new). A method for anchoring a prosthesis to a person with an amputated limb, said method comprising the steps of:

(i) providing the prosthesis set according to claim 16;

(ii) inserting the stem of the anchoring part into a marrow bone of the amputated limb near a stump of the limb with the head of the anchoring part disposed at an end of the marrow bone, said head having a width that exceeds the width of the marrow bone in an amount such that disposition of the anchoring part in the marrow bone of the amputated limb causes a local expansion or bulge at a distal end of the stump that is wider than an adjacent proximal part of the amputated limb; and

(iii) affixing the prosthesis sleeve to the amputated limb with the local expansion or bulge in the stump received in the bulge of the prosthesis sleeve to anchor the prosthesis sleeve to the amputated limb.

Claim 24 (new). A method for anchoring a prosthesis to a person with an amputated limb, said method comprising the steps of:

(i) providing the prosthesis set according to claim 20;

(ii) inserting the stem of the anchoring part into a marrow bone of the amputated limb near a stump of the limb with the head of the anchoring part disposed at an end of the

marrow bone, said head having a width that exceeds the width of the marrow bone in an amount such that disposition of the anchoring part in the marrow bone of the amputated limb causes a local expansion or bulge at a distal end of the stump that is wider than an adjacent proximal part of the amputated limb;

(iii) affixing the prosthesis sleeve to the amputated limb with the local expansion or bulge in the stump received in the bulge of the prosthesis sleeve to anchor the prosthesis sleeve to the amputated limb; and

(iv) fastening the strap around the amputated limb.

Claim 25 (new). The prosthesis set according to claim 10, wherein the local form fitting anchorage that is established by the anchoring means provides for freedom of movement of a prosthesis received in the prosthesis sleeve.

Claim 26 (new). The prosthesis set according to claim 10, wherein the local form fitting anchorage that is established by the anchoring means provides for a transfer of torsion forces from the stump to a prosthesis received in the prosthesis sleeve.

Claim 27 (new). The prosthesis set according to claim 10, wherein the stem is insertable in the marrow bone with the head disposed transverse to the end of the marrow bone.

Claim 28 (new). The method according to claim 21, wherein in step (ii) the stem is inserted into the marrow bone with the head of the anchoring part disposed transverse to the end of the

marrow bone.

Claim 29 (new). The method according to claim 22, wherein in step (ii) the stem is inserted into the marrow bone with the head of the anchoring part disposed transverse to the end of the marrow bone.